



Heat pump technology for
energy efficient hot water

Save
75% or
more of your
hot water
bill

Heat Pump Water Heater WH-70

Energy efficient hot water by water circulation

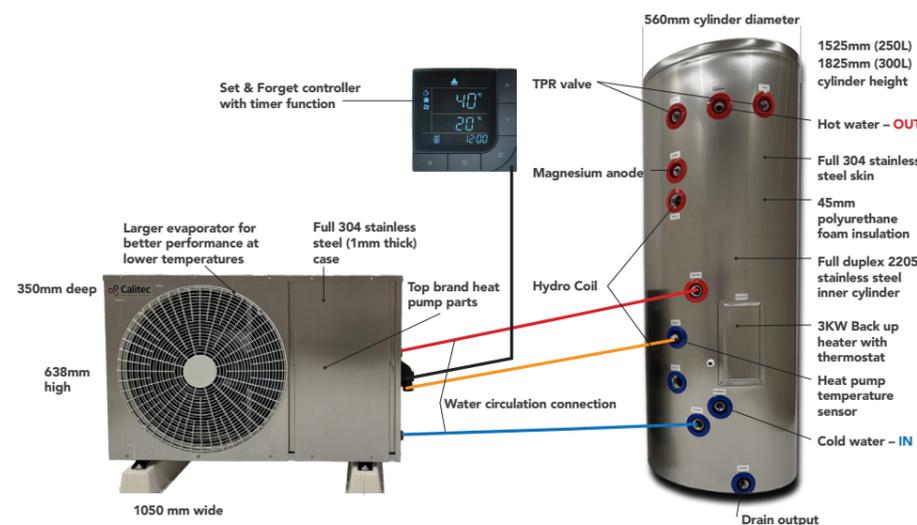
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Designed in New Zealand for family homes, the **Calitec Mono Block WH-70** boasts high heating capacity, resulting in faster recovery times. Made with the best available parts and materials to withstand the harsh NZ environment, this future-proof system utilizes R290 refrigerant and is PV solar smart inverter ready. Plus, it's capable of heating **two separate hot water cylinders!**

How does it work?

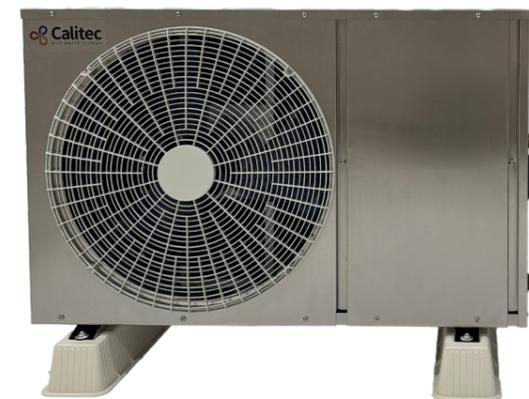
Water is heated inside the mono block and circulated to your hot water cylinder. It works at any time of the day, under all weather conditions. The higher output temperature of the R290 refrigerant ensures fast heating, using just the efficient heat pump energy, even in lower ambient temperatures.



Enjoy savings

An average shower of about 7 minutes will cost you about \$1 with a standard electric heated hot water cylinder. With our Calitec heat pump mono block, you can bring this down to about 25 cents, saving 75% or more on your hot water heating cost.

(Based on 40cent/kWh, 40°C mixed water, 71 L water = 7 min. mains pressure shower).



Features

High temperature output: Due to its high output temperature, the mono block functions as a water circulating system, solely utilizing efficient heat pump power to heat your hot water cylinder to 60°C.

Fast recovery time: With an output power of 5.8 kW, it can heat up 124 litres of water per hour ($\Delta T=40^{\circ}\text{C}$). This capacity is twice that of a standard electric heating hot water cylinder.

COP of 4.3: This indicates that you receive 5.83 kW of heating power from just the 1.36 kW of electric power, resulting in a 77% saving on your water heating costs at 15°C ambient temperature.

Longevity and durability: The stainless steel casing, combined with high-quality parts and materials, ensures durability, making it capable of withstanding the harsh New Zealand environment, even in coastal areas.

Dual cylinder heating (optional): The WH-70 can heat a second hot water cylinder, such as for your ensuite or a kitchen under-bench cylinder.

Installation: Can be carried out by a plumber, with minimal assistance from an electrician. Regardless of whether you need to heat one or two separate hot water cylinders and whether you choose to locate your cylinder inside or outside.

Environmentally friendly: The R290 refrigerant has a Global Warming Potential of only 3 (compared to 675 for R32, 1430 for R134a, or 2088 for R410a refrigerants). Additionally, it performs better at lower ambient temperatures, significantly reducing energy consumption and your carbon footprint.

Peace of Mind Warranty

Calitec heat pump units are designed and built using the highest quality parts and are intended to last at least 10-15 years. They are backed by a 5-year warranty on the Mono Block and a 20-year warranty on Calitec hot water cylinders. In the event of any issues that your installer cannot resolve, we provide a replacement unit and facilitate the entire process.

Specifications WH-70 outdoor unit

Heat Pump outdoor unit	WH-70
Power Supply (V/ph/Hz)	220-240/1/50
Power input (W)	1360
Max. rated input current (A)	11
Heating capacity @ 7°C (W)	5225
COP @ 7°C	3.84
Heating capacity @ 15°C (W)	5830
Water production (L/hr) $\Delta T=40$	124
Water circulation pipe connection (inch)	1
Heat exchanger plate type	GEA GHB 400H-26
Circulation pump	Greenpro RS15-6 class A
Refrigerant	R290
Noise (dB)	≤ 53
Max. rated water temperature (°C)	65
Water-proof grade	IPX4
Level against electric shock	1
Operation temp. range (°C)	-10 to 45
Netto weight (kg)	59
Case	1mm 304 stainless steel
Size (WxDxH) (mm)	1050x350x638

Calitec Hot Water Cylinders

The WH-70 can be paired with the stainless steel Calitec hot water cylinder, specifically designed for optimal usage, or can be connected to a different heat pump ready hot water cylinder (to be confirmed by plumber).

Our Calitec hot water cylinders, available in 250 or 300 litres, can be installed either indoors or outdoors. Additionally, we offer cylinders equipped with a built-in coil, suitable for wet back installation or as the heating coil should you decide to upgrade to a central heating system. Our Duplex stainless steel hot water cylinders are insulated with Polyurethane Foam and feature a 3 kW electric emergency heater for added peace of mind.

Pricing

- **Calitec Water Heater WH-70: \$3,990**

What's in the box: WH-70, controller display, temperature sensor cable and manual. The feet (as shown in the photos) are not included in the set and should be purchased separately.

Pair the Calitec WH-70 with our compatible Calitec hot water cylinders for optimal performance. Available in 250 or 300-litre sizes.

- **Cylinder 250 L: \$4,190** (or \$7,890 as a set with the WH-70)
- **Cylinder 300 L: \$4,490** (or \$8,190 as a set with the WH-70)

All prices incl. GST and free delivery North Island. South Island transport fee \$200. Rural areas might require an extra fee. All Calitec systems and cylinders must be installed by qualified installers in accordance with all relevant building codes and local regulations. Check out our Terms & Conditions and Warranty.

